

FIG. 1

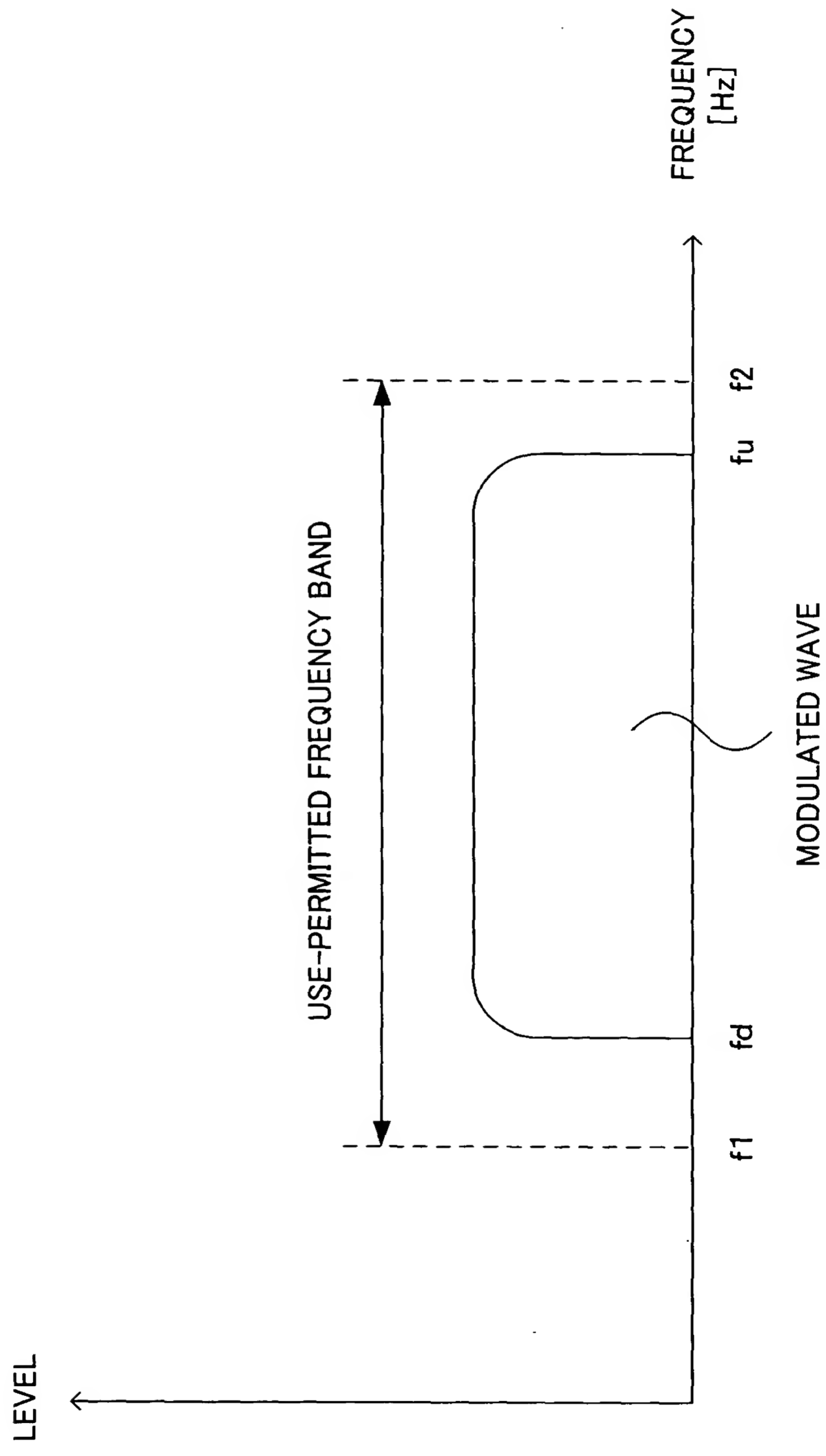


FIG. 2A

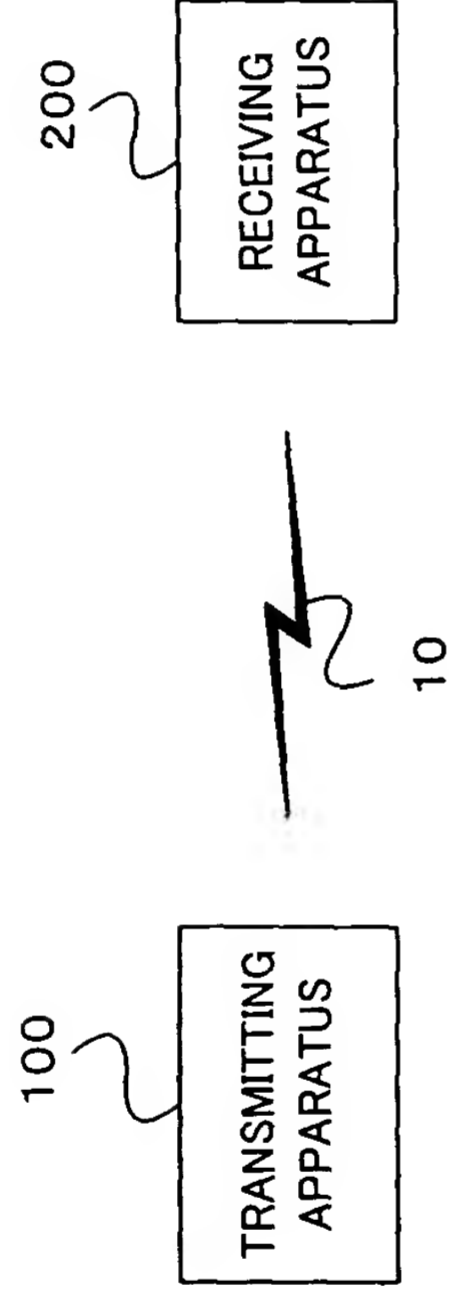
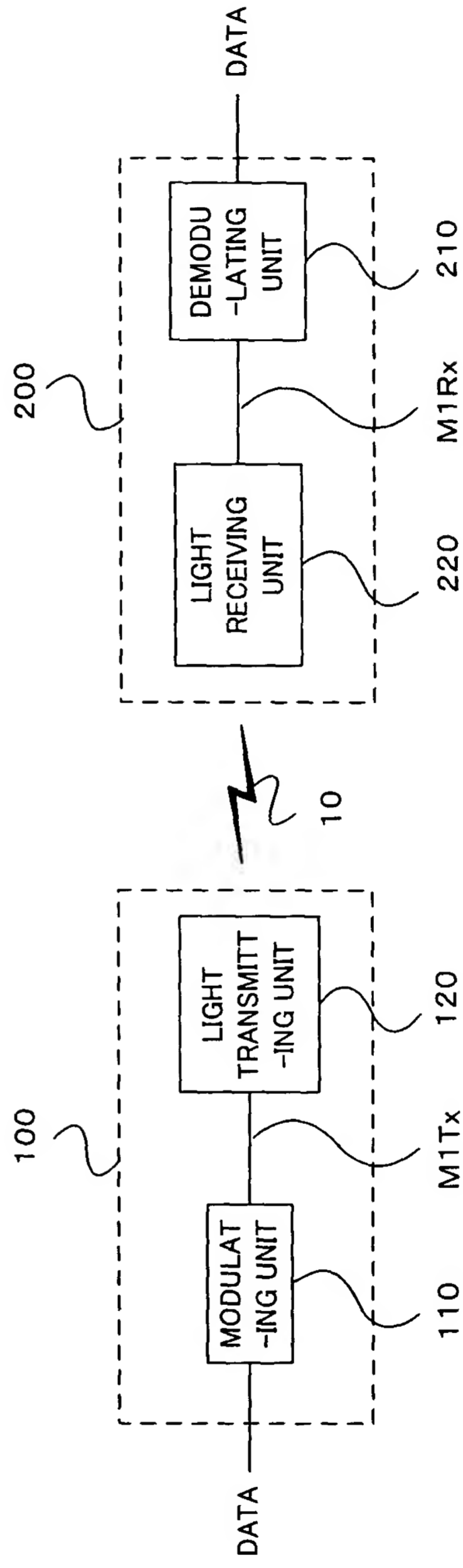


FIG. 2B



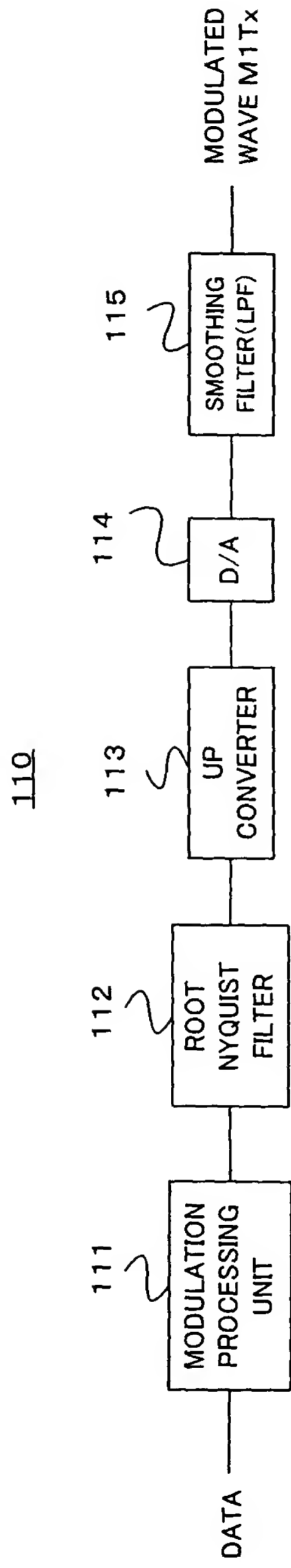


FIG. 3A

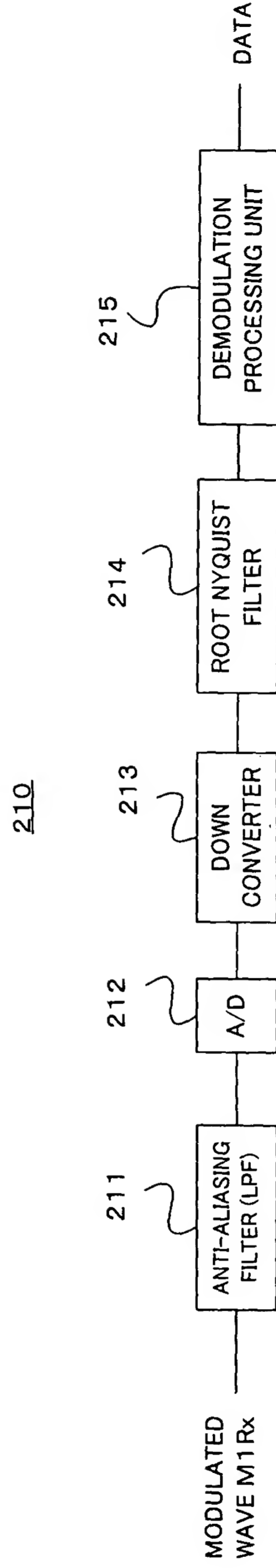


FIG. 3B

FIG. 4A

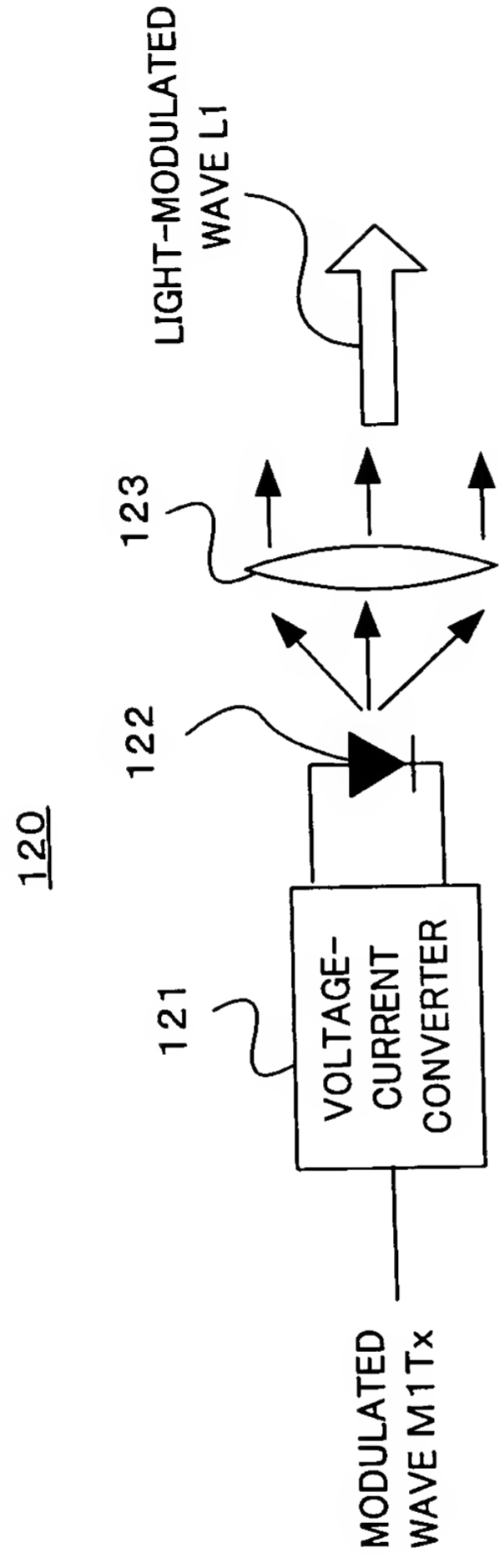


FIG. 4B

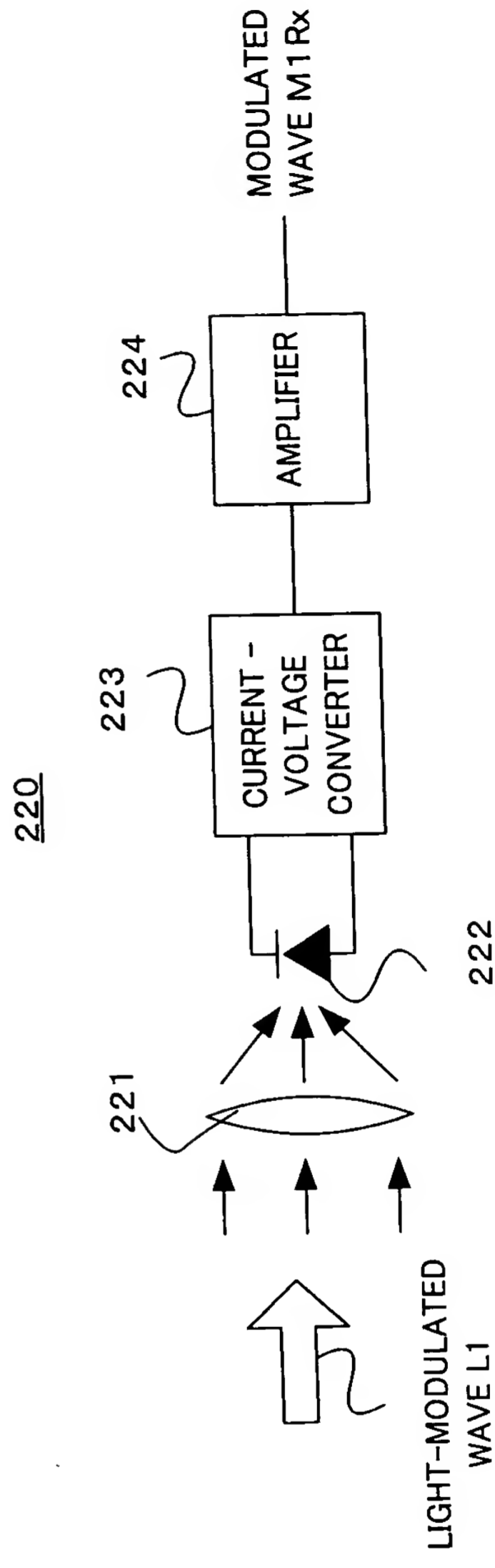
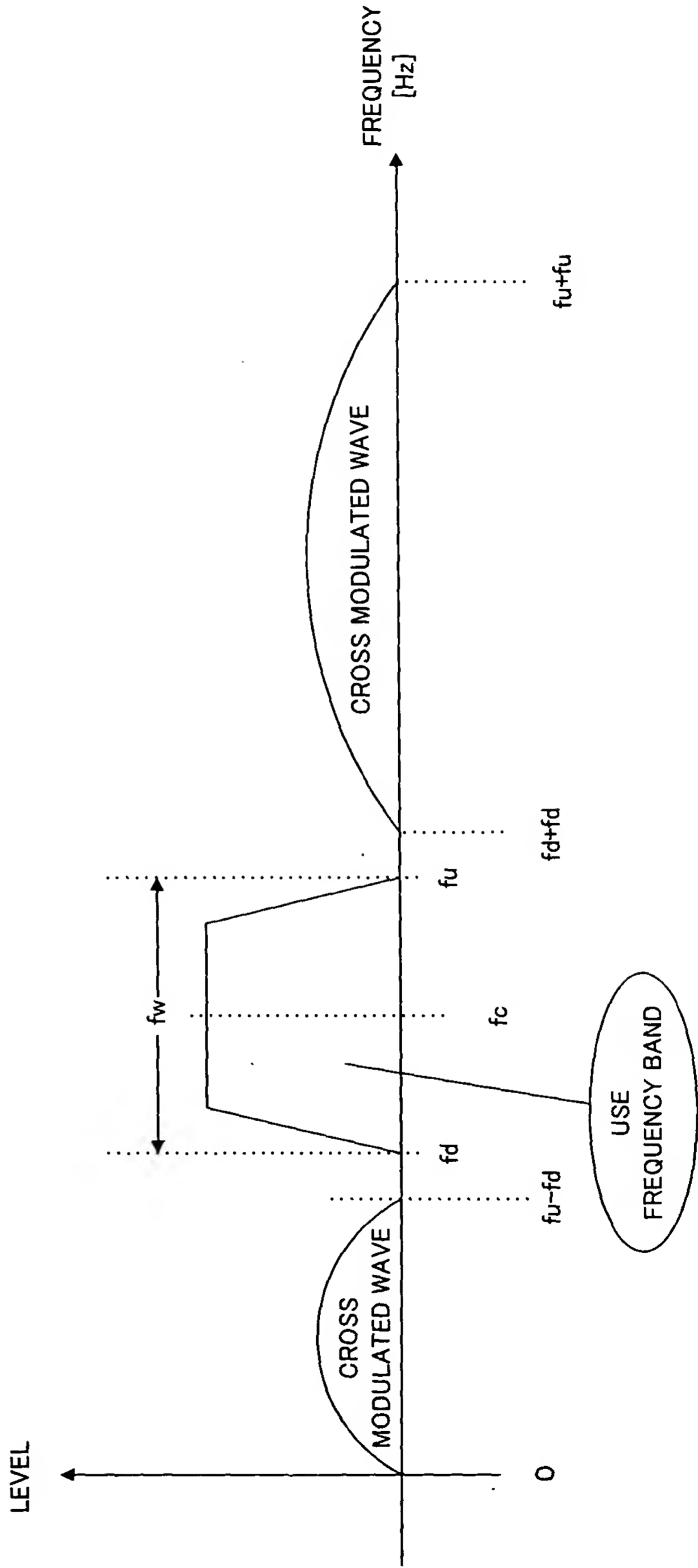


FIG. 5

CARRIER FREQUENCY: f_c [Hz]
 ROLLOFF FACTOR: α
 SYMBOL RATE: f_{sr} [Hz]
 UPPER LIMIT SIDE BAND: $f_u = f_c + 0.5(1 + \alpha) f_{sr}$ [Hz]
 LOWER LIMIT SIDE BAND: $f_d = f_c - 0.5(1 + \alpha) f_{sr}$ [Hz]
 USE FREQUENCY BAND WIDTH: $f_w = f_u - f_d = (1 + \alpha) f_{sr}$ [Hz]



110

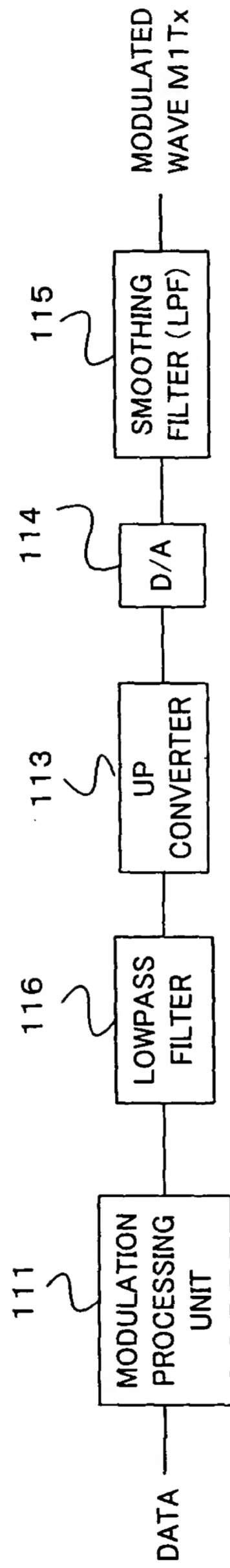


FIG. 6A

210

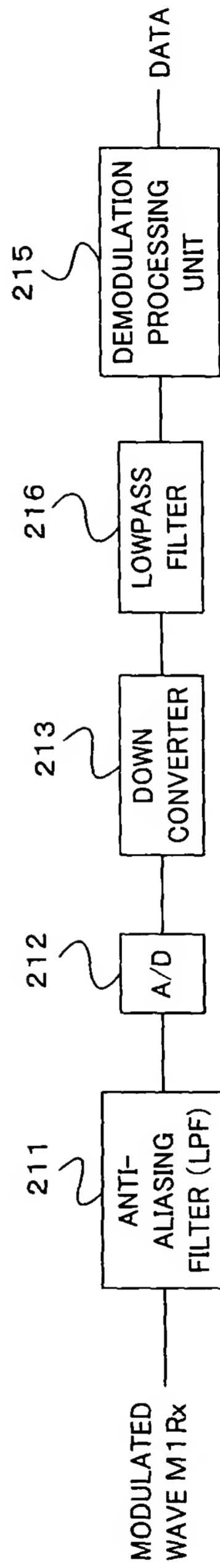


FIG. 6B

FIG. 7

UPPER LIMIT SIDE BAND: f_u [Hz]
 LOWER LIMIT SIDE BAND: f_d [Hz]

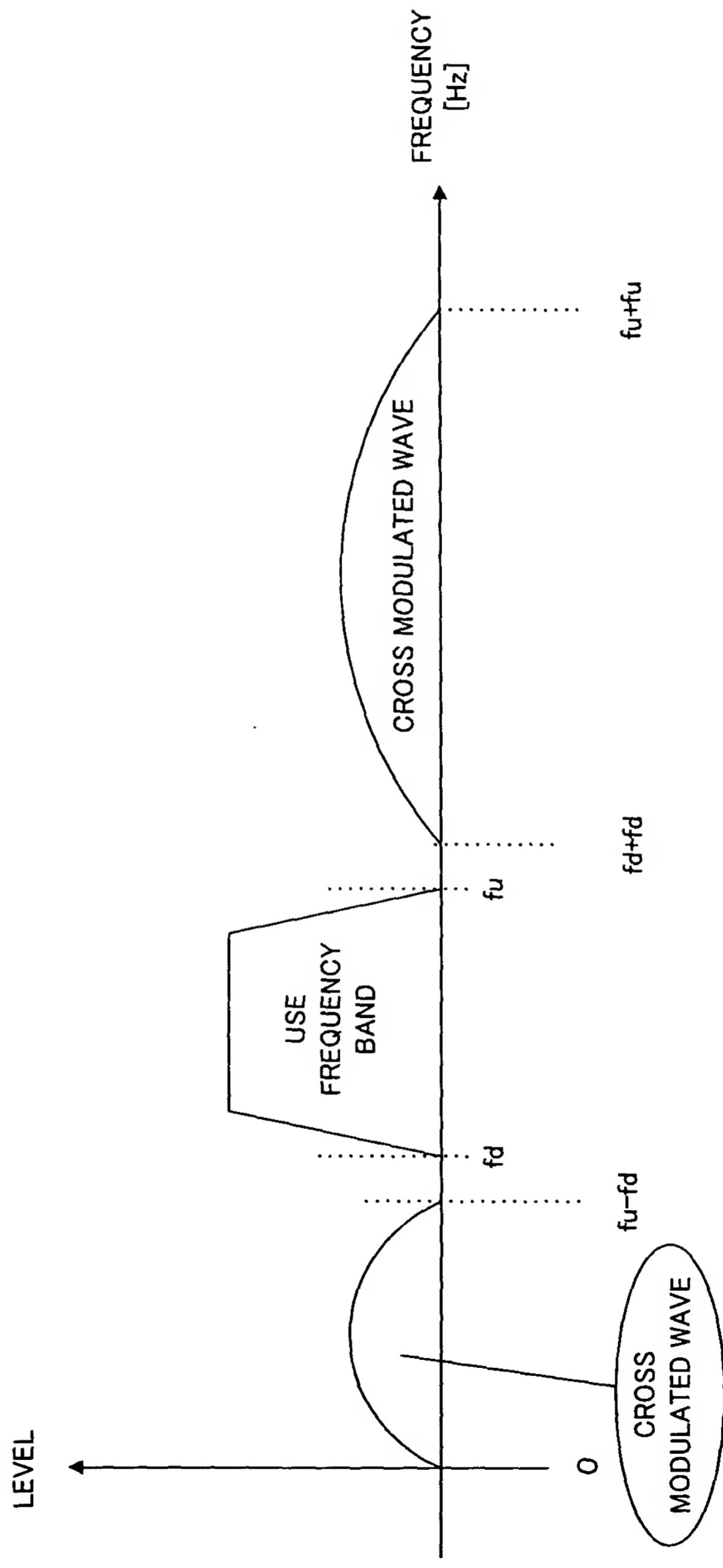


FIG. 8A

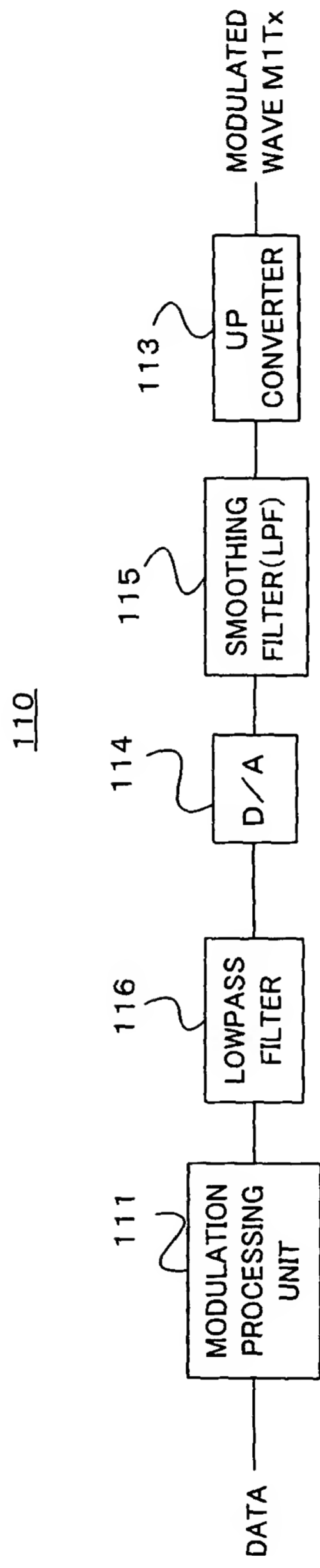


FIG. 8B

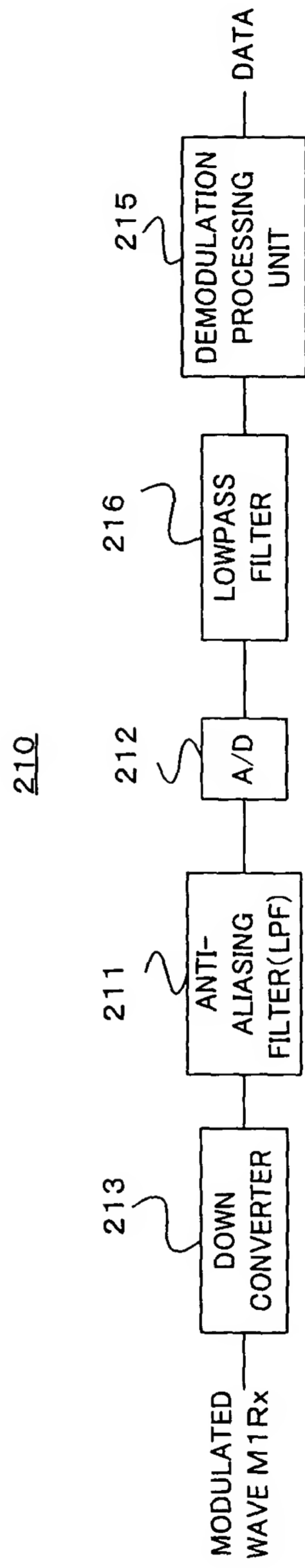


FIG. 9

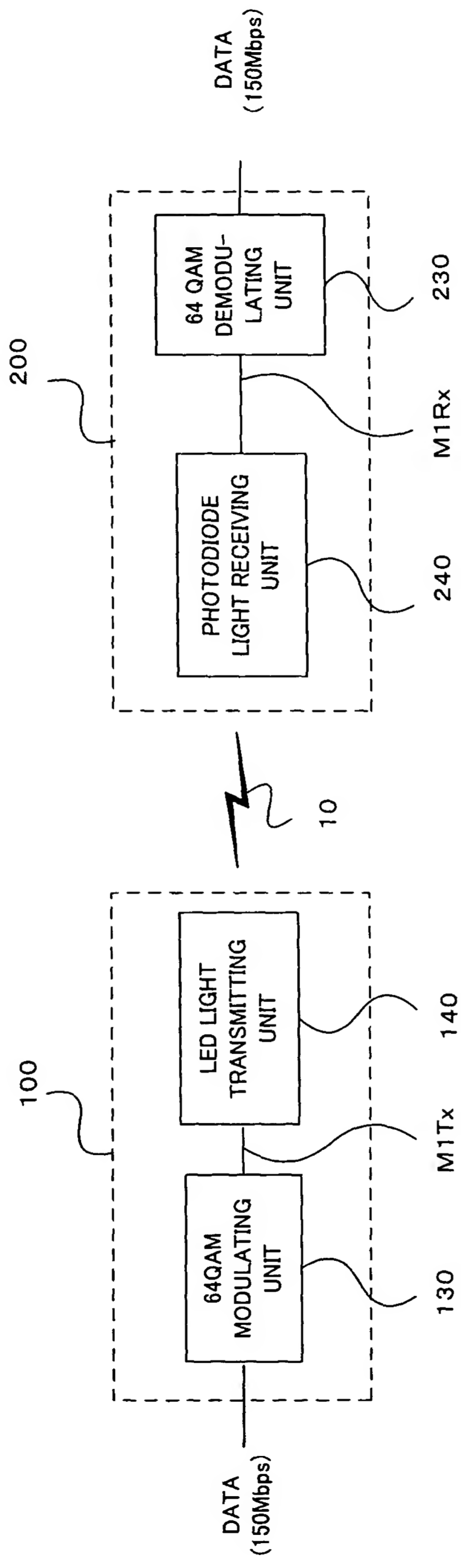


FIG. 10A

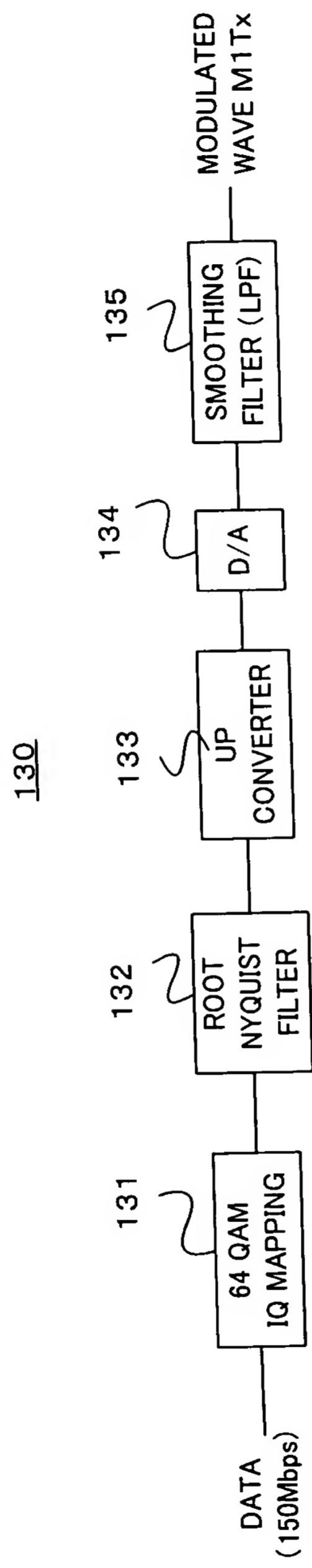


FIG. 10B

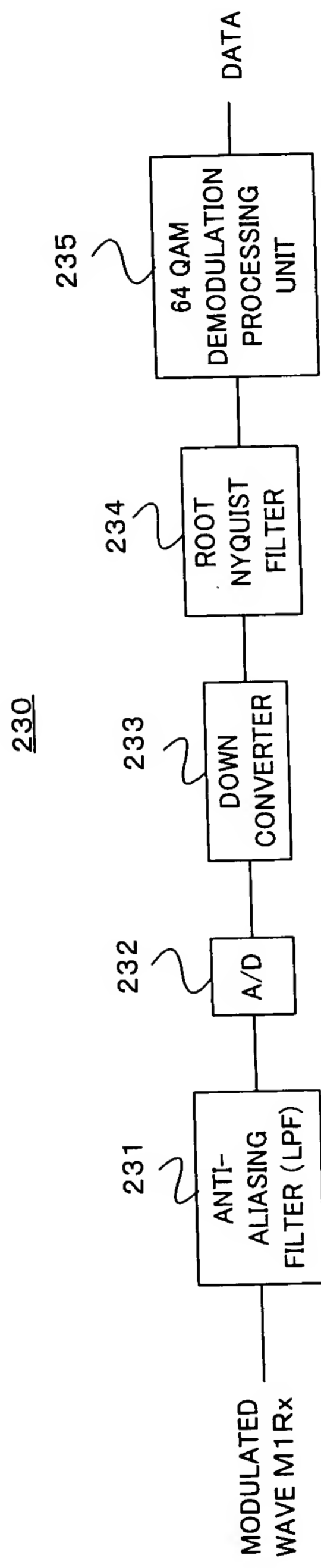


FIG. 11A

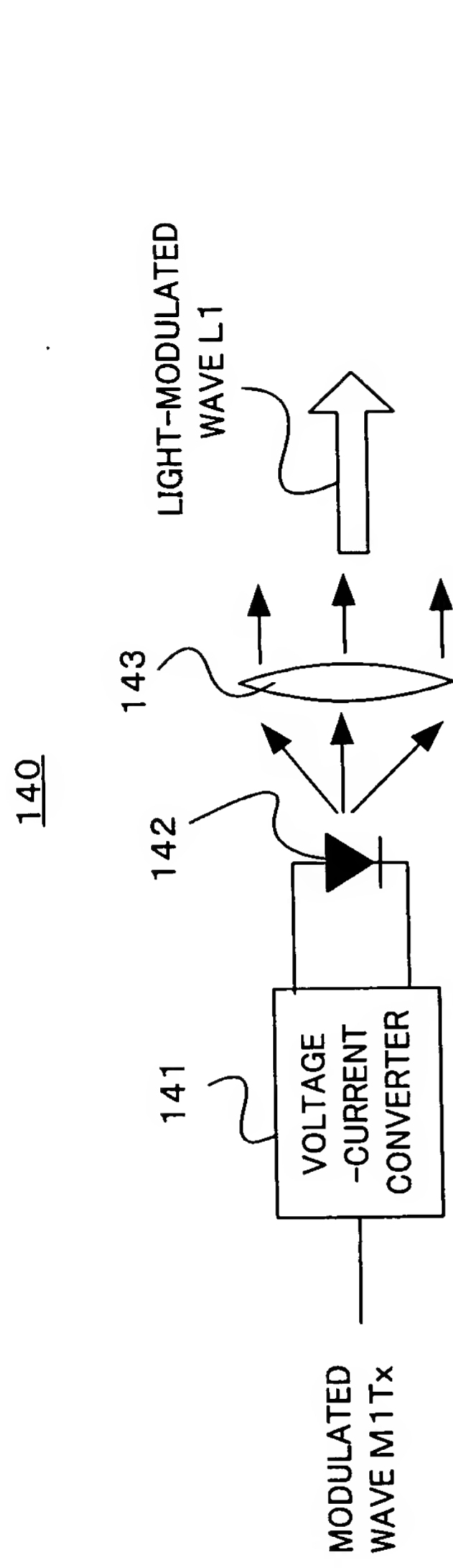


FIG. 11B

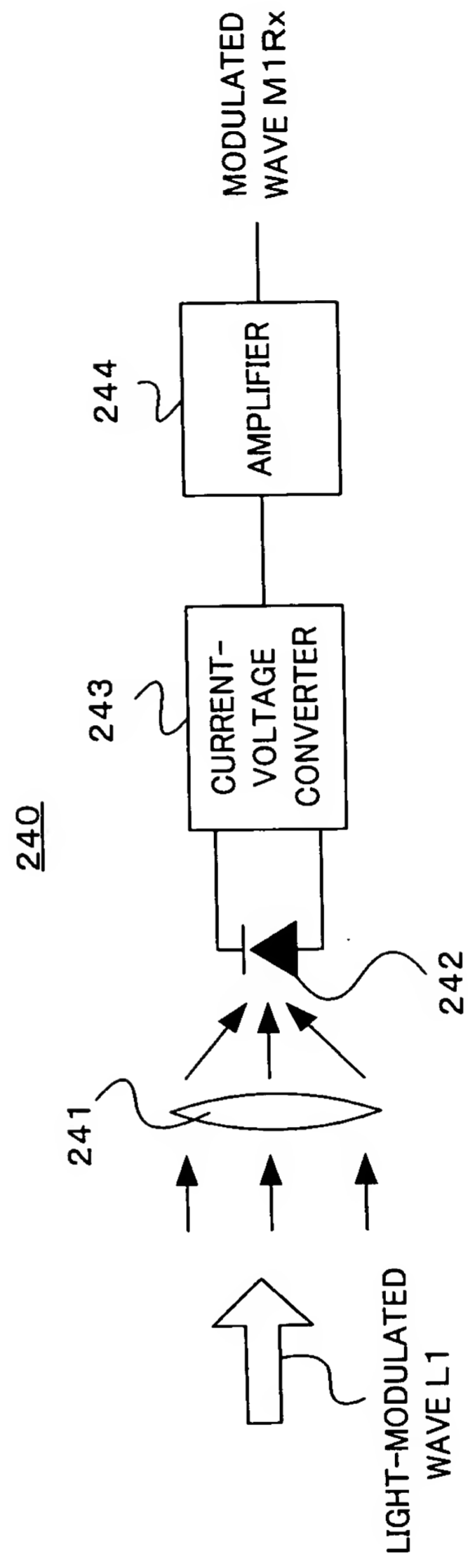


FIG. 12

CARRIER FREQUENCY: $f_c = 50\text{MHz}$
UPPER LIMIT SIDE BAND: $f_u = 65\text{MHz}$
LOWER LIMIT SIDE BAND: $f_d = 35\text{MHz}$
SYMBOL RATE : $f_{sr} = 25\text{MHz}$
ROLLOFF FACTOR: $\alpha = 0.2$

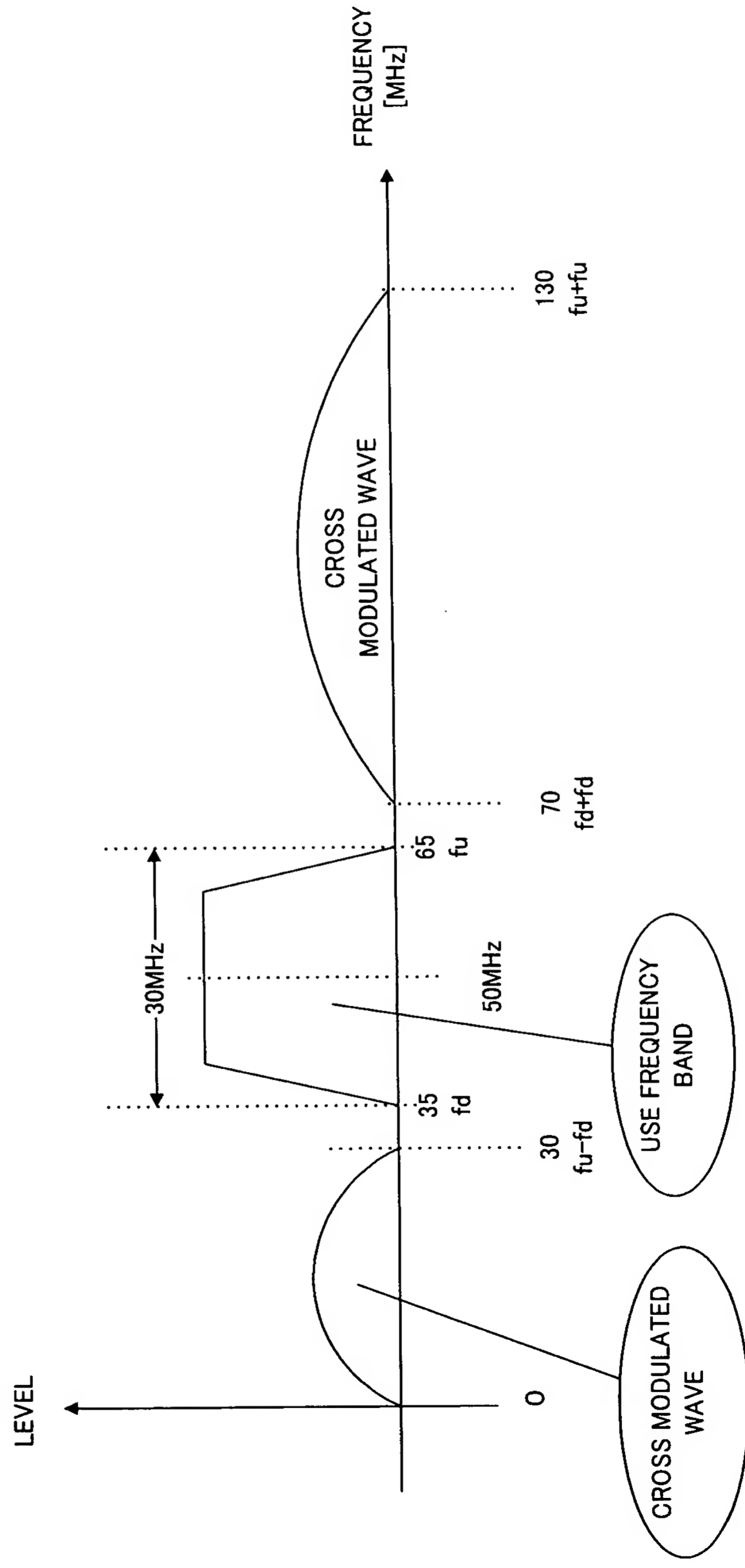


FIG. 13

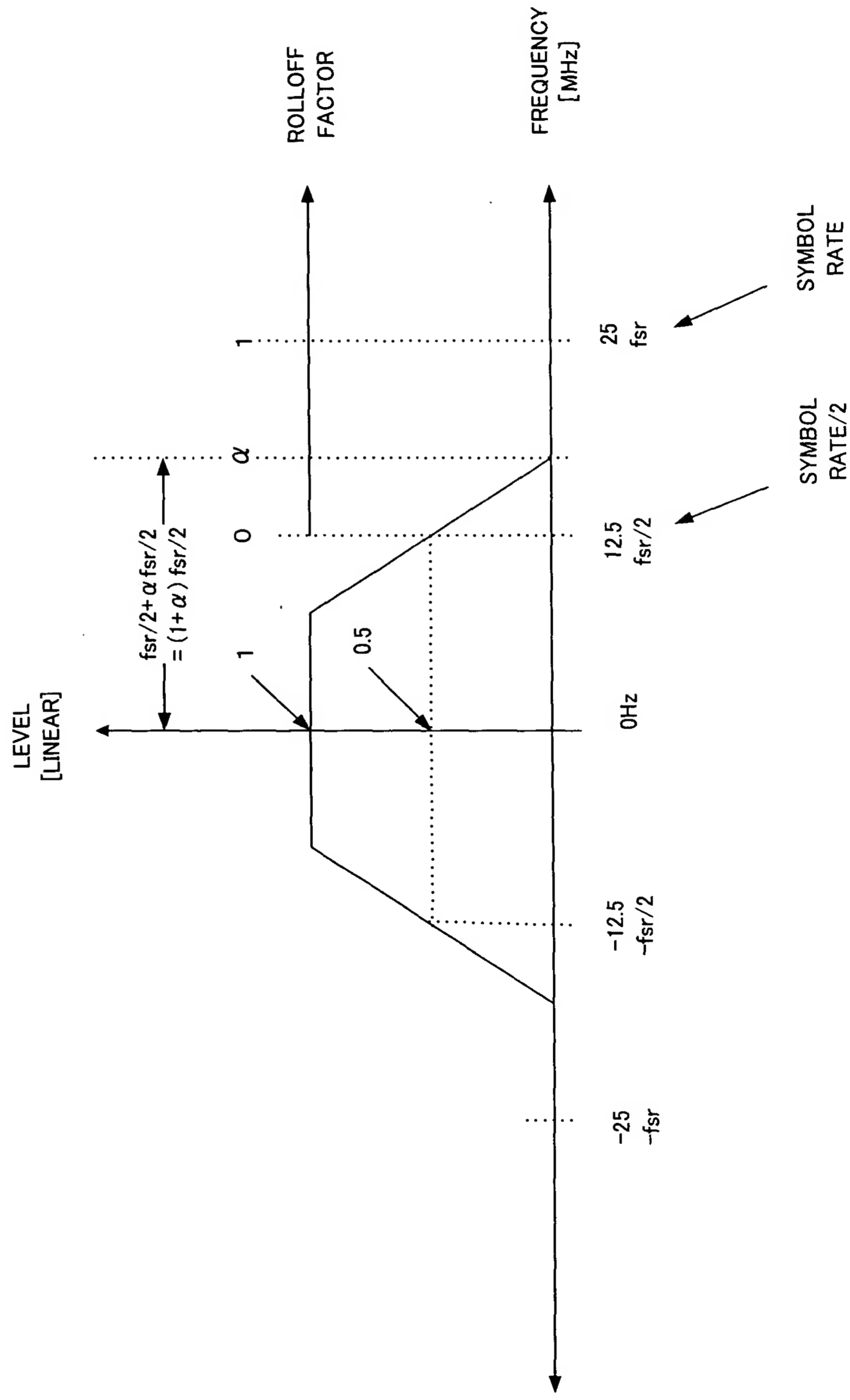


FIG. 14

